

In the Claims

Please cancel Claims 8-23 without prejudice or disclaimer as to the subject matter recited therein.

1. (Original) A system for accessing a region of memory in a computer, the system comprising:

a memory region table for supporting memory region translations, the
memory region table residing on a module external to and in
communication with an operating system; and

A 1 a memory window table, the memory window table being in communication with
the memory region table, and residing on a module external to and in
communication with the operating system.

2. (Original) A system according to claim 1, wherein the memory window table includes a field for recording a memory region entry and a field for recording a memory window entry.

3. (Original) A system according to claim 1, wherein the memory region table virtually resides in the operating system of the computer.

4. (Original) A system according to claim 1 or 2, wherein the memory region table comprises:

a field for recording a physical address corresponding to a first memory
location of a memory region;
a field for recording an access value corresponding to the memory region;
a field for recording a protection domain value corresponding to the memory
region; and
a field for recording a length of the memory region.

5. (Original) A system according to claim 1 or 2, wherein the memory window table further comprises:

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- a field for recording a region remote access key for accessing a memory region; and
- a field for recording a window remote access key corresponding to the memory window.

6. (Original) A system according to claim 5, wherein the memory window table further comprises:

- a field for recording a virtual address corresponding to a first memory location within a memory window;
- a field for recording a length of the memory window; and
- a field for recording an access value corresponding to the memory window.

7. (Original) A system according to claim 6, wherein the memory window table further comprises a field for recording a protection domain value corresponding to the memory window.

8-23. Cancelled.

24. (Original) A memory window table for accessing a memory region, the memory window table residing on a computer readable medium in communication with an operating system kernel, the memory window table comprising:

- a field for recording a memory window record; and
- a field for recording a memory region record.

25. (Original) A memory window table according to claim 24, wherein the memory window record includes a protection domain value for the memory window.

26. (Original) A memory window table according to claim 24, wherein the memory window record includes a virtual address corresponding to the first location of the memory window.

27. (Original) A memory window table according to claim 24, wherein the memory window record includes a length corresponding to the length of the memory window.

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28. (Original) A memory window table according to claim 24, wherein the memory window record includes a region key for accessing a memory region.

29. (Original) A memory window table according to claim 24, wherein the memory window record includes a window key for accessing a memory window.

30. (Original) A memory window table according to claim 24, wherein the memory region record includes a protection domain value for the memory region.

31. (Original) A memory window table according to claim 24, wherein the memory region record includes a virtual address corresponding to the first location of the memory region.

32. (Original) A memory window table according to claim 24, wherein the memory region record includes a length corresponding to the length of the memory region.

33. (Original) A memory window table according to claim 24, wherein the length of the memory window record is equal to the length of the memory region record.